LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	534	538	549	rBV	178701	302462	2.96%	0.292%
2	5.334	582	586	591	rBV	414396	409067	4.00%	0.395%
3	5.692	642	647	653	rVB2	324522	517955	5.07%	0.501%
4	5.751	653	657	663	rBV3	174894	280095	2.74%	0.271%
5	5.892	673	681	686	rBV3	226072	404761	3.96%	0.391%
6	5.963	690	693	696	rVV3	579187	825534	8.07%	0.798%
7	5.992	696	698	704	rVB2	598168	725108	7.09%	0.701%
8	6.051	704	708	711	rBV	761756	734241	7.18%	0.710%
9	6.128	717	721	728	rVB3	364791	639454	6.25%	0.618%
10	6.192	728	732	735	rBV2	331003	479876	4.69%	0.464%
11	6.228	735	738	740	rVV	365132	411725	4.03%	0.398%
12	6.275	743	746	748	rVV	445485	389800	3.81%	0.377%
13	6.304	748	751	755	rVB	2455840	2533968	24.78%	2.449%
14	6.410	763	769	771	rBV6	261902	429176	4.20%	0.415%
15	6.451	771	776	779	rVV2	1056162	1139937	11.15%	1.102%
16	6.486	779	782	784	rVV2	932375	784389	7.67%	0.758%
17	6.510	784	786	788	rVV	444403	413229	4.04%	0.399%
18	6.604	797	802	812	rVB5	749103	1662517	16.26%	1.607%
19	6.710	816	820	823	rBV3	326138	448231	4.38%	0.433%
20	6.751	823	827	830	rVB2	646862	929933	9.09%	0.899%
21	6.781	830	832	835	rBV	1200399	1052109	10.29%	1.017%
22	6.816	835	838	841	rBV	1075101	920308	9.00%	0.890%
23	6.863	841	846	852	rVB3	1053895	1610435	15.75%	1.557%
24	6.998	863	869	871	rBV3	652480	806677	7.89%	0.780%
25	7.081	879	883	886	rBV	3597013	3472465	33.96%	3.356%
26	7.116	886	889	892	rVB2	606417	591805	5.79%	0.572%
27	7.151	892	895	898	rBV2	229610	336149	3.29%	0.325%
28	7.186	898	901	904	rVB3	513290	556530	5.44%	0.538%
29	7.233	904	909	911	rVB4	368659	403815	3.95%	0.390%
30	7.263	911	914	920	rVB	1427560	1356472	13.26%	1.311%
31	7.316	920	923	926	rVB2	257517	312564	3.06%	0.302%
32	7.375	926	933	936	rBV5	939380	1513075	14.80%	1.462%
33	7.410	936	939	942	rBV3	415387	391373	3.83%	0.378%
34	7.451	942	946	948	rBV2	810684	943383	9.23%	0.912%

LSC Area Percent Report

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Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.481	948	951	954	rVB3	1219950	1185699	11.59%	1.146%
36	7.516	954	957	961	rVB3	1693095	1677322	16.40%	1.621%
37	7.557	961	964	966	rBV	1275917	1298698	12.70%	1.255%
38	7.622	970	975	976	rBV	238120	299899	2.93%	0.290%
39	7.645	976	979	984	rVB2	359572	374285	3.66%	0.362%
40	7.710	984	990	991	rBV5	512000	798754	7.81%	0.772%
41	7.751	991	997	999	rVB2	3260442	4011799	39.23%	3.878%
42	7.828	1007	1010	1013	rBV	1297668	1052036	10.29%	1.017%
43	7.875	1016	1018	1021	rVB	357285	279107	2.73%	0.270%
44	7.933	1023	1028	1030	rBV4	481425	738570	7.22%	0.714%
45	7.957	1030	1032	1034	rVB2	321663	253416	2.48%	0.245%
46	7.986	1034	1037	1039	rBV2	255699	250697	2.45%	0.242%
47	8.045	1042	1047	1048	rVV4	654403	727511	7.11%	0.703%
48	8.075	1048	1052	1055	rVB2	634619	840235	8.22%	0.812%
49	8.104	1055	1057	1060	rBV2	869032	776032	7.59%	0.750%
50	8.139	1060	1063	1066	rVV3	1022160	947921	9.27%	0.916%
51	8.186	1068	1071	1078	rVV4	1803746	1918873	18.76%	1.855%
52	8.245	1078	1081	1084	rVB	822405	667637	6.53%	0.645%
53	8.286	1085	1088	1090	rBV3	279449	276635	2.71%	0.267%
54	8.357	1095	1100	1103	rBV	3569141	3434672	33.59%	3.320%
55	8.398	1104	1107	1111	rVV2	608115	760119	7.43%	0.735%
56	8.445	1111	1115	1119	rVB4	735188	1102194	10.78%	1.065%
57	8.563	1130	1135	1137	rBV2	794014	867178	8.48%	0.838%
58	8.633	1142	1147	1149	rVV2	731520	977734	9.56%	0.945%
59	8.651	1149	1150	1153	rVV2	783838	595552	5.82%	0.576%
60	8.680	1153	1155	1158	rVV3	673501	669902	6.55%	0.647%
61	8.716	1158	1161	1165	rVB	851747	833714	8.15%	0.806%
62	8.757	1165	1168	1170	rBV3	772193	805766	7.88%	0.779%
63	8.780	1170	1172	1175	rVV2	1291386	1033010	10.10%	0.998%
64	8.916	1190	1195	1198	rBV	2679214	2757642	26.97%	2.665%
65	8.963	1200	1203	1205	rVV2	549686	667546	6.53%	0.645%
66	8.986	1205	1207	1210	rVB2	435235	387603	3.79%	0.375%
67	9.063	1217	1220	1222	rBV3	237637	267567	2.62%	0.259%
68	9.169	1235	1238	1240	rVV2	489014	673284	6.58%	0.651%
69	9.186	1240	1241	1244	rVV3	514942	465307	4.55%	0.450%
70	9.233	1244	1249	1251	rVV2	1071296	1828662	17.88%	1.767%
71	9.251	1251	1252	1256	rVV	820922	644225	6.30%	0.623%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.286	1256	1258	1261	rVV	497985	452989	4.43%	0.438%
73	9.439	1280	1284	1287	rBV	2085173	1786054	17.47%	1.726%
74	9.480	1287	1291	1296	rVB	1197832	1288135	12.60%	1.245%
75	9.669	1319	1323	1325	rBV2	264207	351442	3.44%	0.340%
76	9.692	1325	1327	1330	rVB2	250576	243758	2.38%	0.236%
77	9.757	1335	1338	1342	rVB2	493142	458744	4.49%	0.443%
78	9.933	1365	1368	1372	rVB	1255876	986729	9.65%	0.954%
79	10.151	1400	1405	1408	rBV	343082	432777	4.23%	0.418%
80	10.263	1421	1424	1428	rVB3	230068	244810	2.39%	0.237%
81	10.404	1444	1448	1454	rVB	872389	968578	9.47%	0.936%
82	10.845	1520	1523	1526	rVV	552166	507520	4.96%	0.491%
83	10.951	1537	1541	1544	rBV	823382	756686	7.40%	0.731%
84	11.269	1592	1595	1602	rBV	509071	547580	5.35%	0.529%
85	11.374	1608	1613	1617	rVB	3946625	4291247	41.96%	4.148%
86	11.516	1633	1637	1643	rVB	356115	416580	4.07%	0.403%
87	11.674	1661	1664	1672	rVB	381451	370794	3.63%	0.358%
88	12.068	1723	1731	1733	rBV	4979955	10226134	100.00%	9.884%
89	12.092	1733	1735	1740	rVV2	5095834	5696152	55.70%	5.506%
90	12.163	1743	1747	1750	rVB	2327607	2069257	20.23%	2.000%
91	12.204	1750	1754	1755	rBV	632834	730173	7.14%	0.706%
92	12.227	1755	1758	1767	rVV	1263647	1415426	13.84%	1.368%
93	12.786	1849	1853	1864	rVB2	336281	577171	5.64%	0.558%
94	12.945	1878	1880	1885	rBV2	274264	295343	2.89%	0.285%
95	13.574	1984	1987	1995	rVB	614711	624559	6.11%	0.604%
96	14.068	2066	2071	2079	rVB3	273768	448757	4.39%	0.434%
97	14.362	2118	2121	2125	rBV	199481	235675	2.30%	0.228%
98	14.457	2133	2137	2146	rBV	291669	457208	4.47%	0.442%
99	14.915	2212	2215	2219	rBV	390548	417660	4.08%	0.404%
100	15.309	2279	2282	2295	rVB	159116	288569	2.82%	0.279%

Sum of corrected areas: 103461928

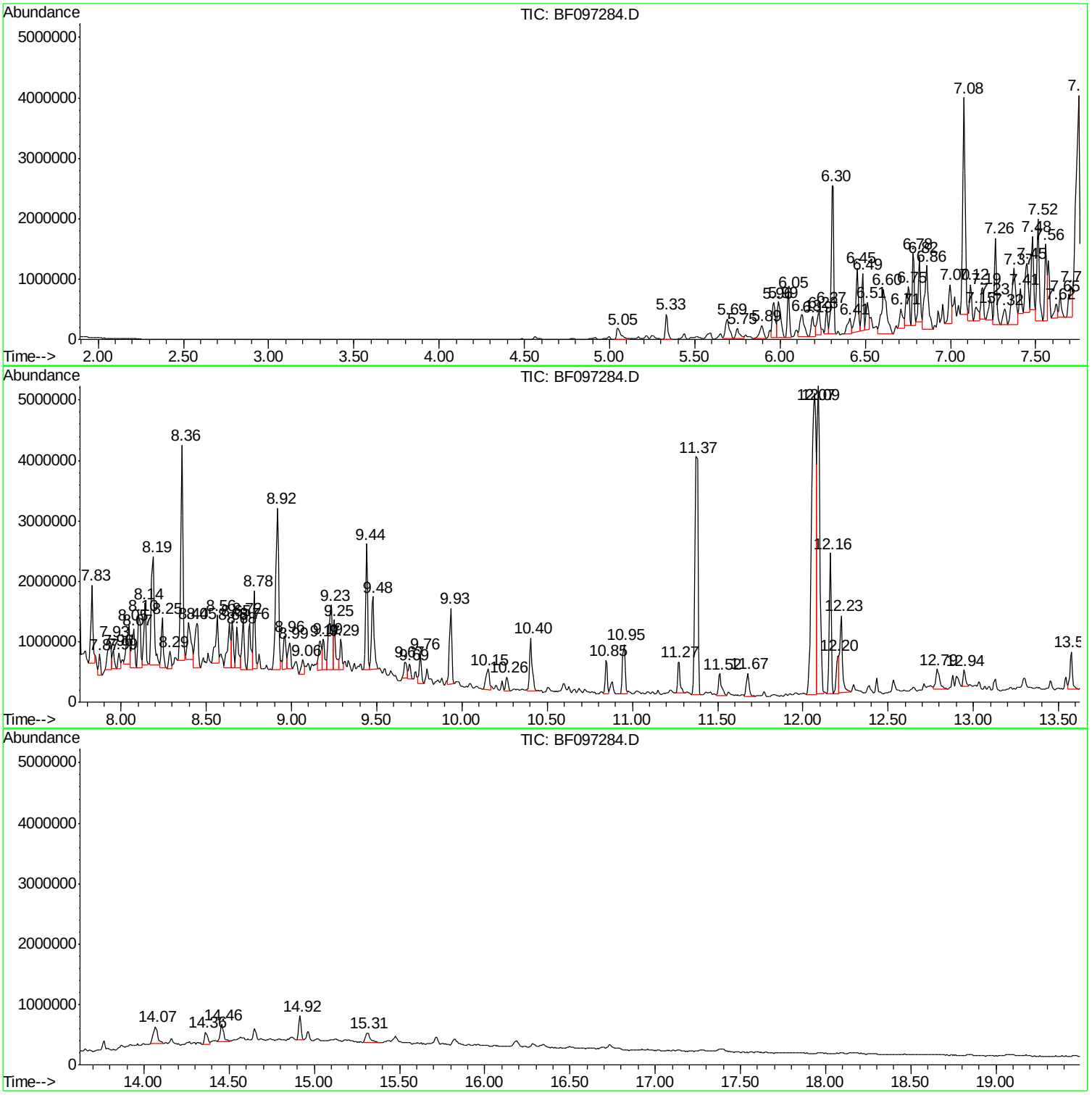
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

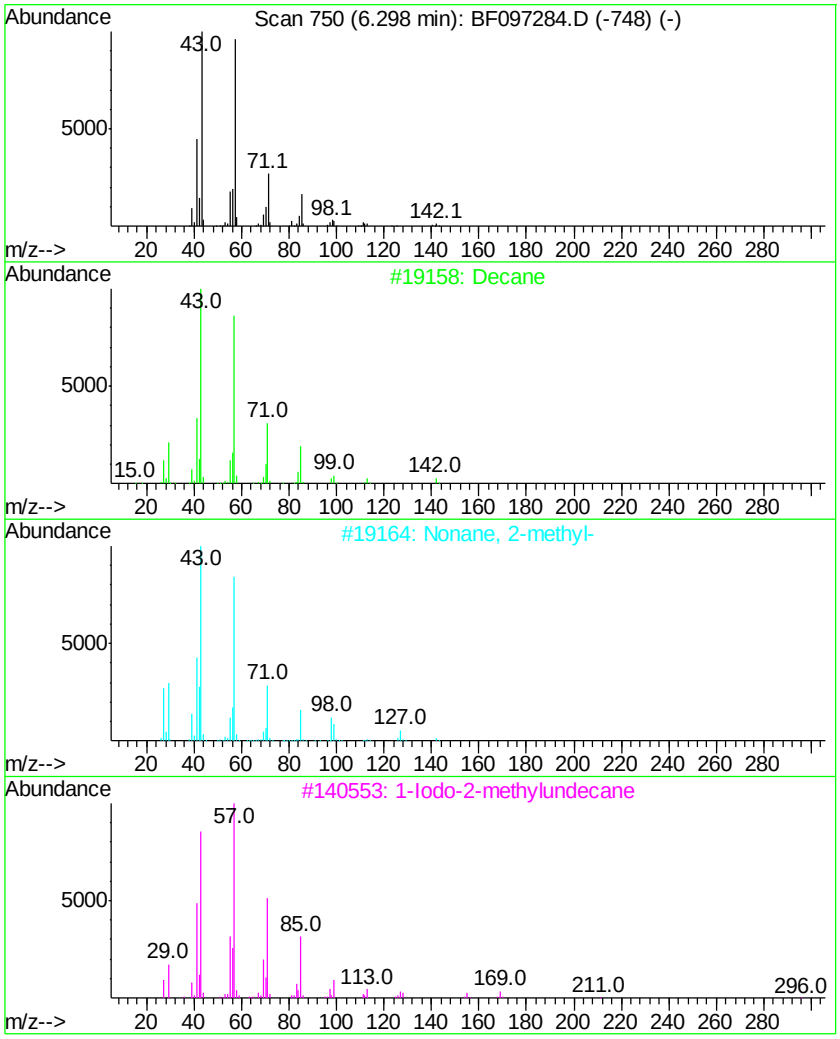
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

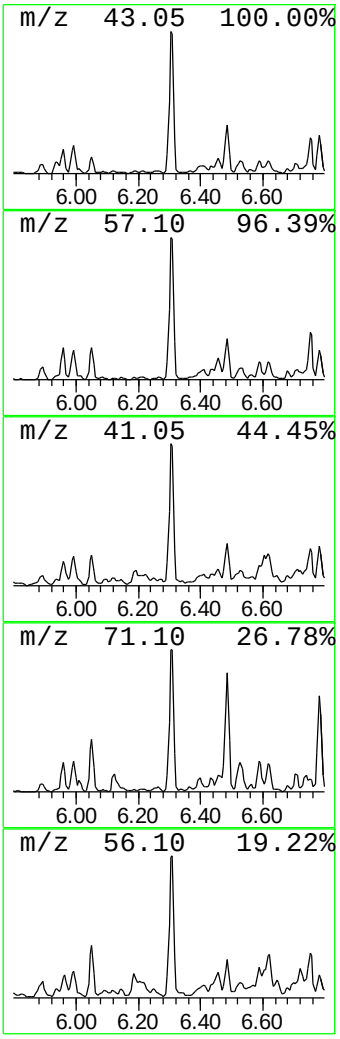
****

Peak Number 1 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	44.46 ng	2533970	1,4-Dichlorobenzene-d4	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	83
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	80
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
4	Undecane	156	C11H24	001120-21-4	72
5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

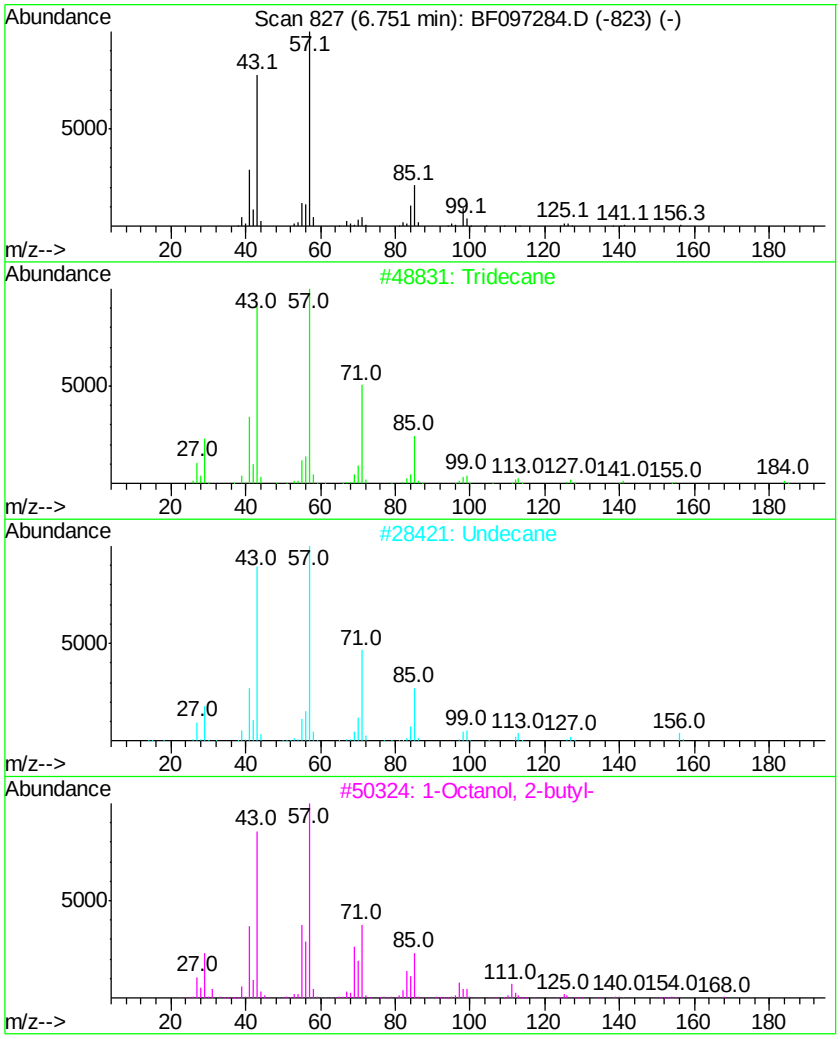
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

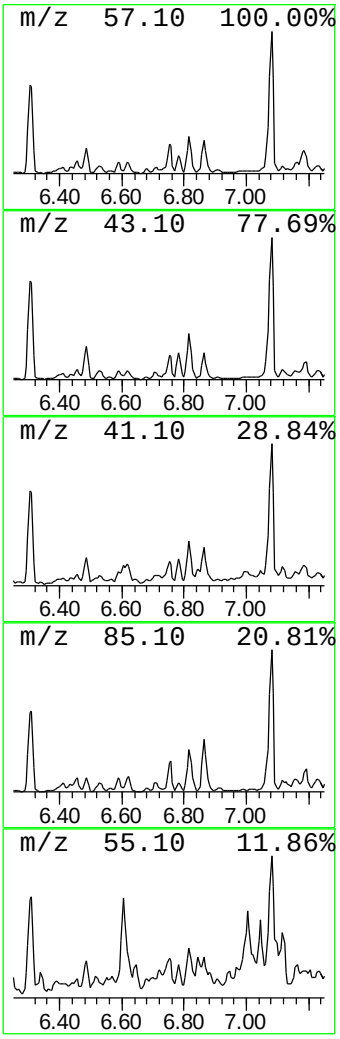
****

Peak Number 3 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	16.32 ng	929933	1,4-Dichlorobenzene-d4	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	72
2	Undecane	156	C11H24	001120-21-4	64
3	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	59
5	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
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Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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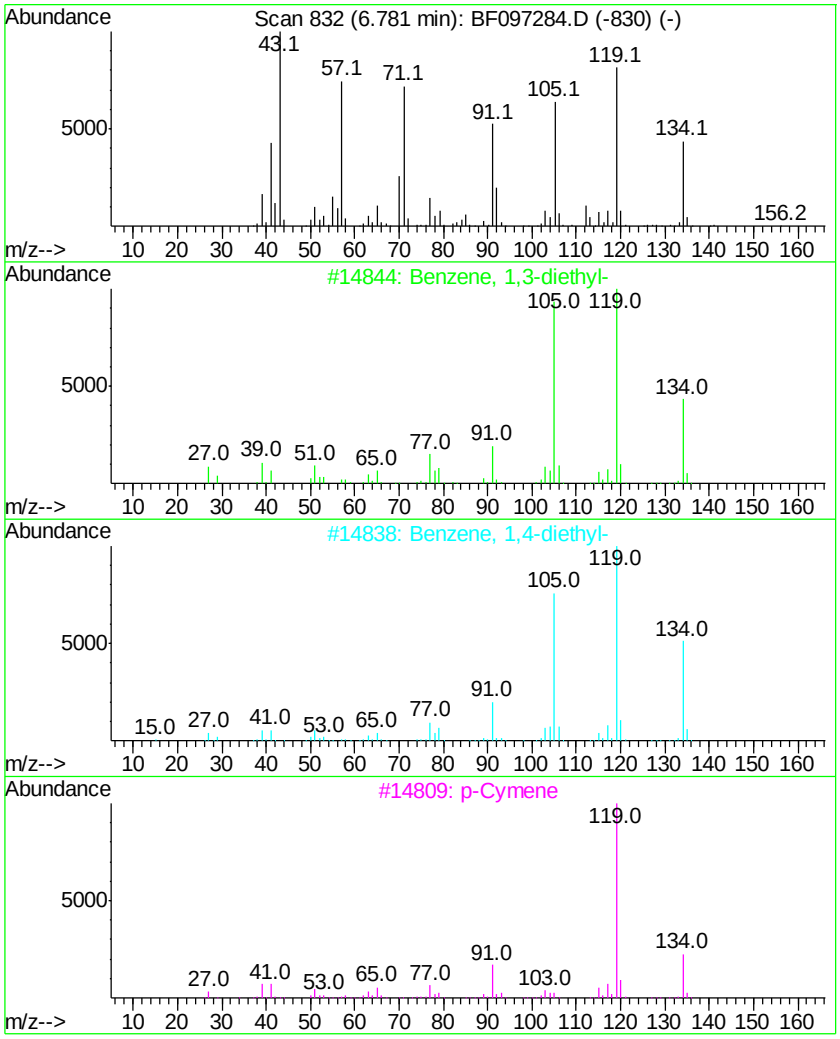
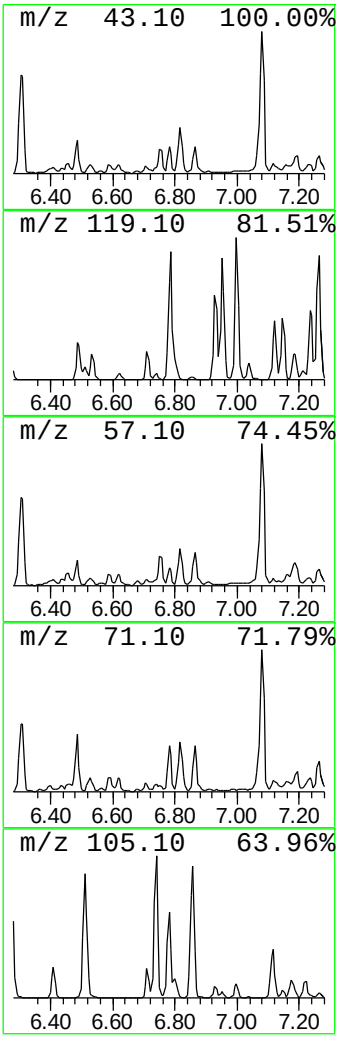
Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	18.46 ng	1052110	1,4-Dichlorobenzene-d4	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
3	p-Cymene	134	C10H14	000099-87-6	55
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

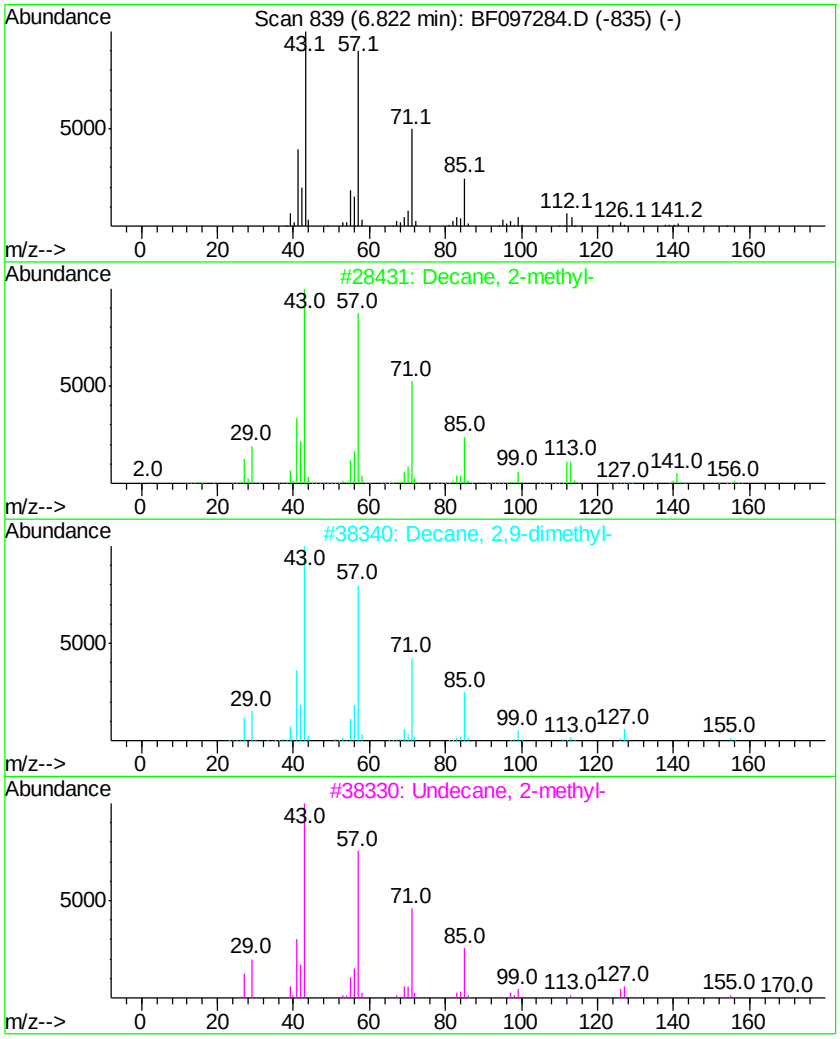
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

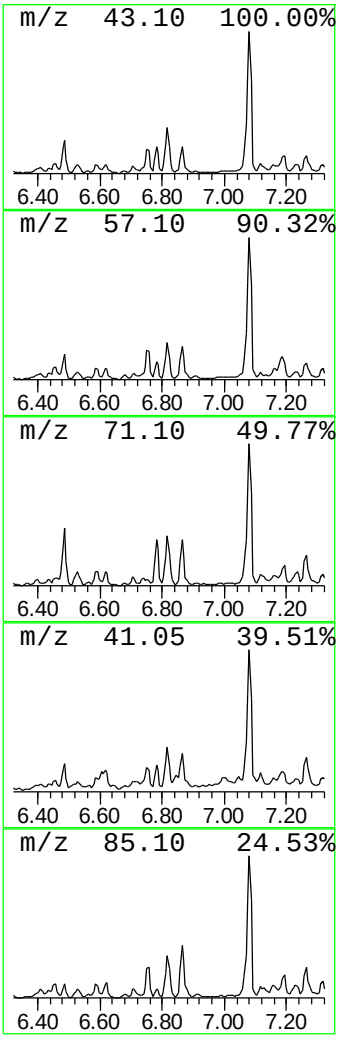
****

Peak Number 5 Decane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	16.15 ng	920308	1,4-Dichlorobenzene-d4	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	83
2	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	78
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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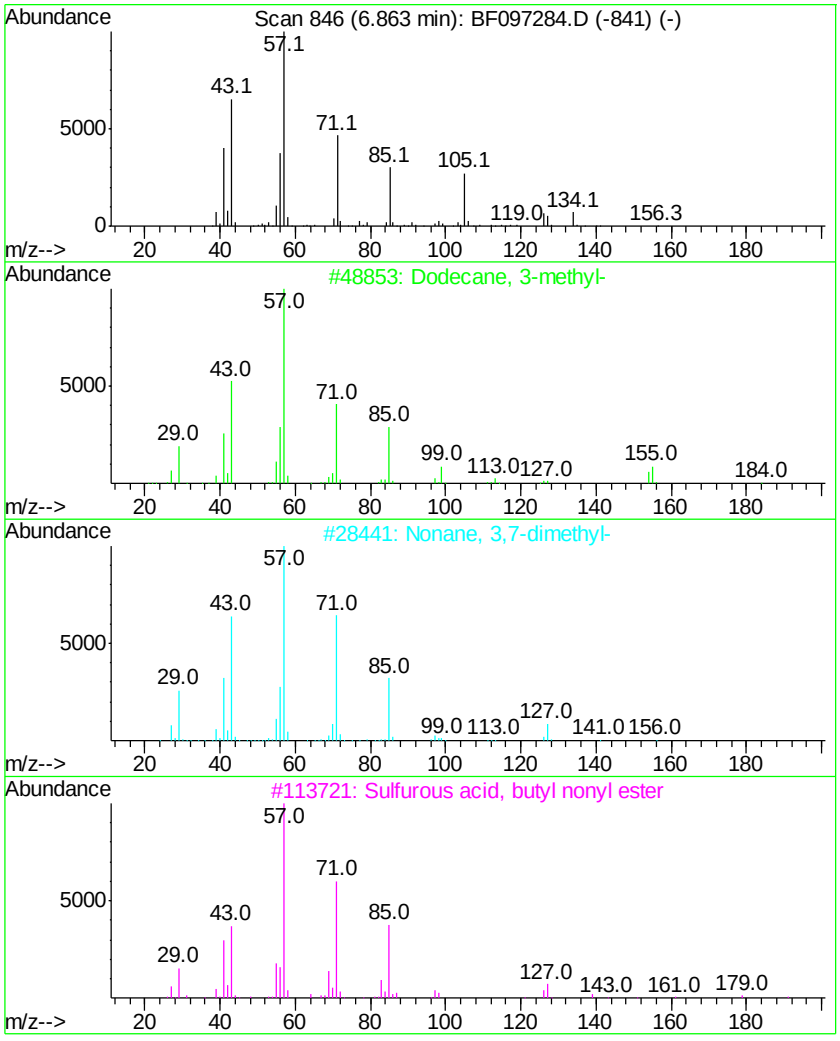
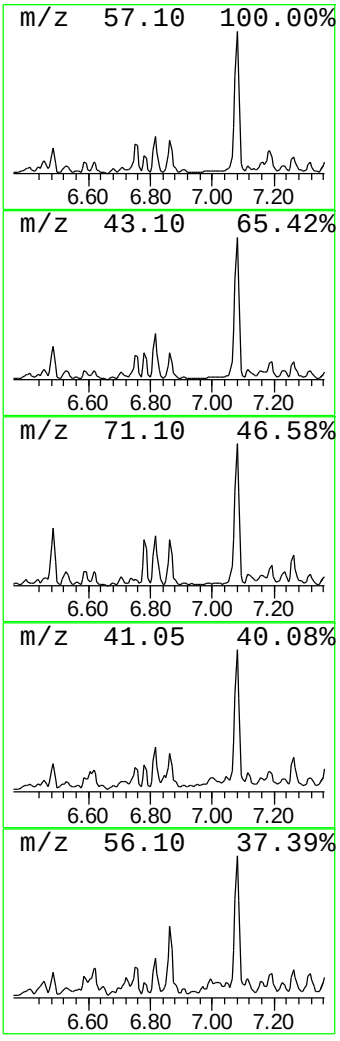
Peak Number 6 Dodecane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	28.25 ng	1610440	1,4-Dichlorobenzene-d4	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	53
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50
5	Hexadecane	226	C16H34	000544-76-3	47





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Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

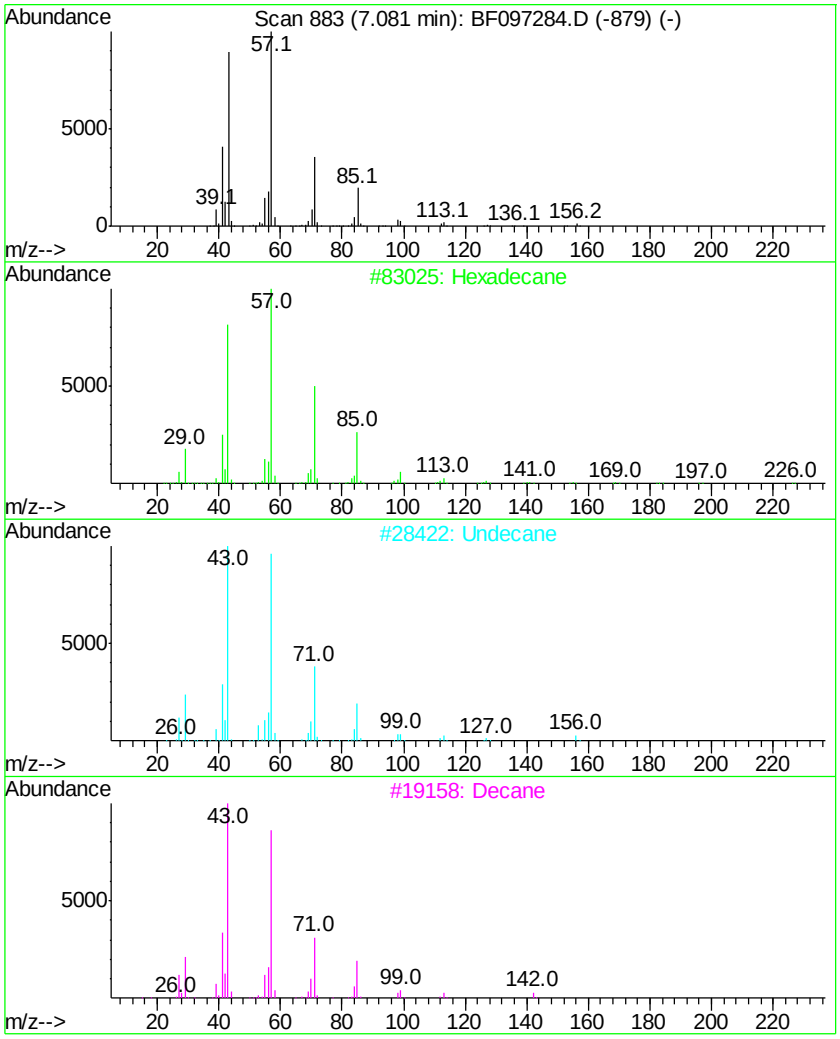
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

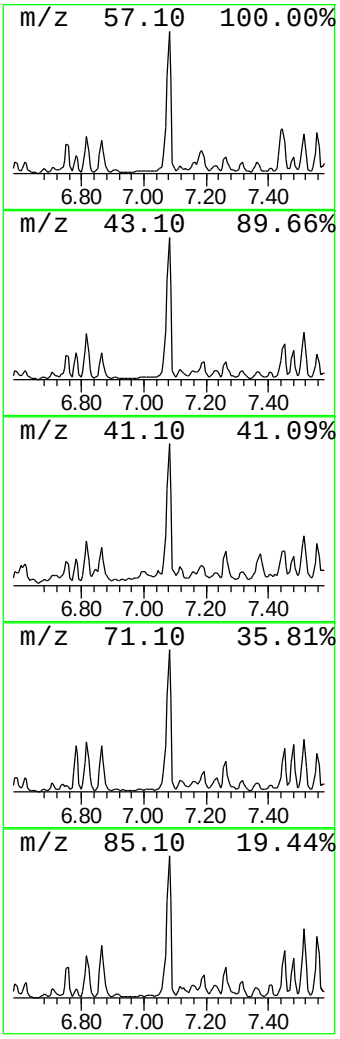
****

Peak Number 7 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	60.92 ng	3472470	1,4-Dichlorobenzene-d4	6.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Undecane	156	C11H24	001120-21-4	83
3	Decane	142	C10H22	000124-18-5	78
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	78
5	Tridecane	184	C13H28	000629-50-5	72





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Sample : I4543-04 10X
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Instrument : BNA_F
ClientSampleId : HR-05-073117-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

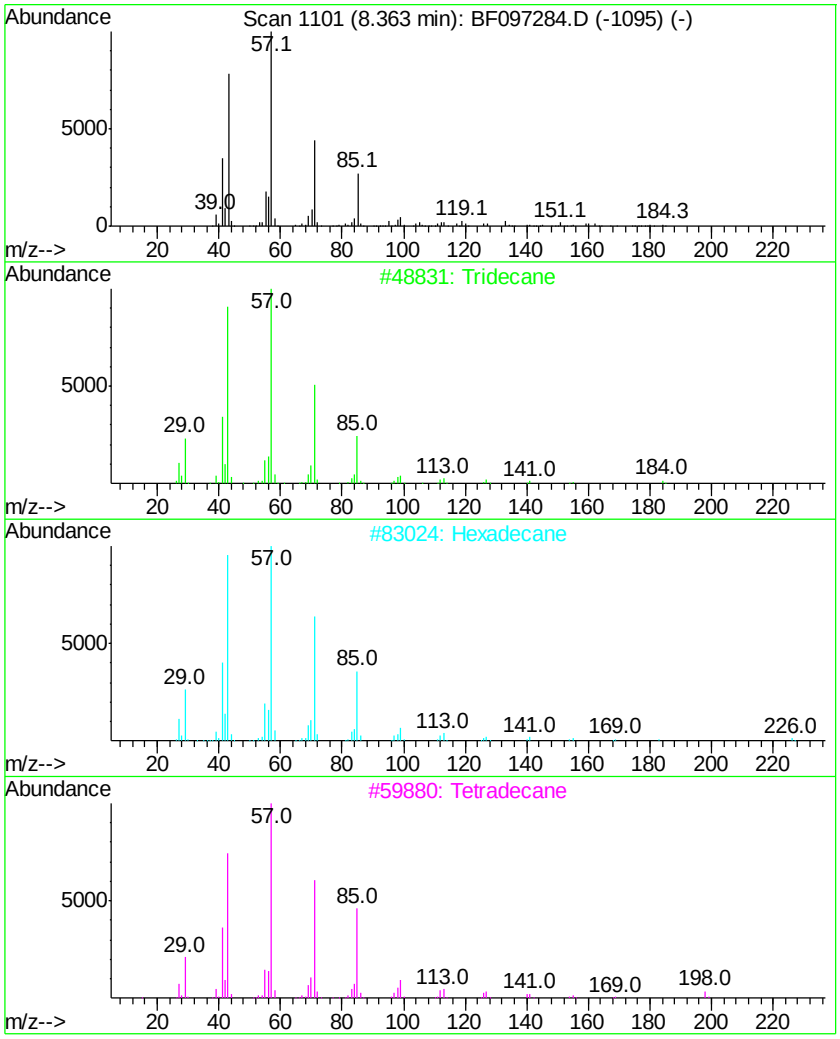
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

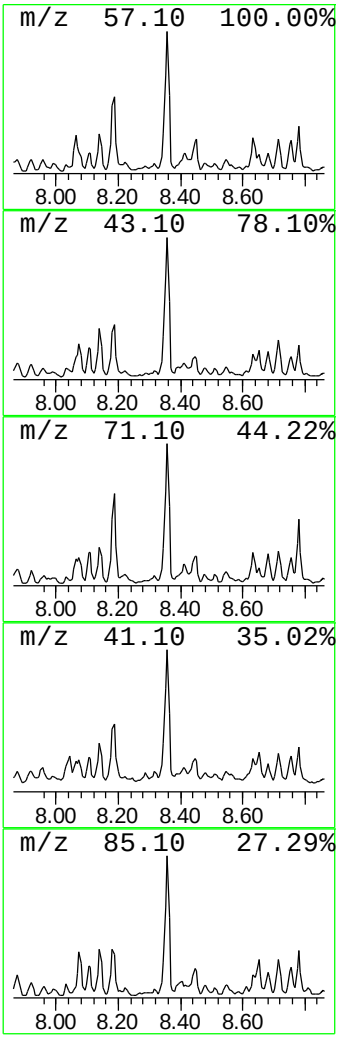
****

Peak Number 8 Decane, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	17.12 ng	3434670	Naphthalene-d8	7.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Hexadecane	226	C16H34	000544-76-3	83
3	Tetradecane	198	C14H30	000629-59-4	83
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	72





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Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

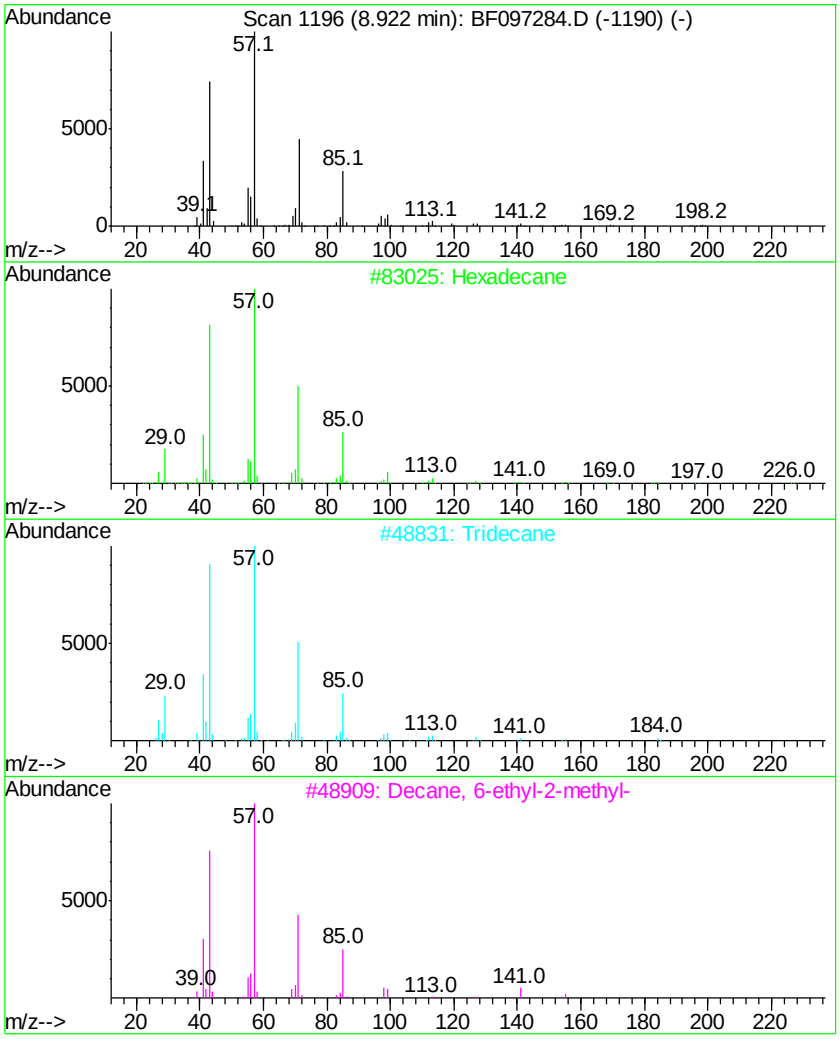
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

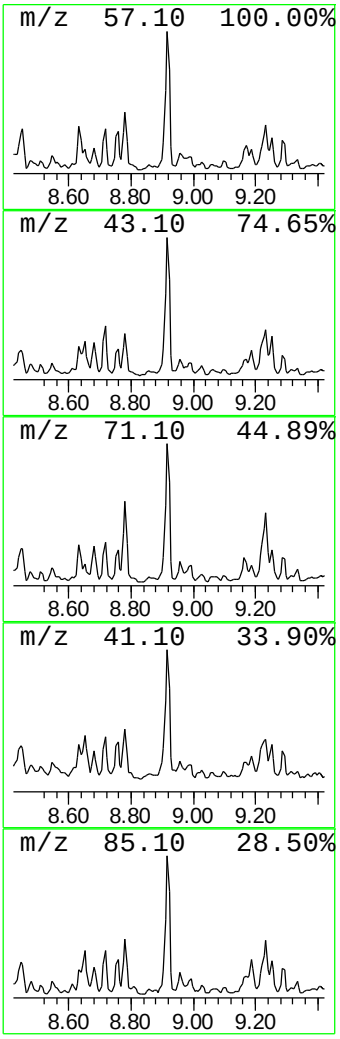
****

Peak Number 9 Decane, 6-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	42.82 ng	2757640	Acenaphthene-d10	9.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	90
4	Tetradecane	198	C14H30	000629-59-4	76
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	72





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Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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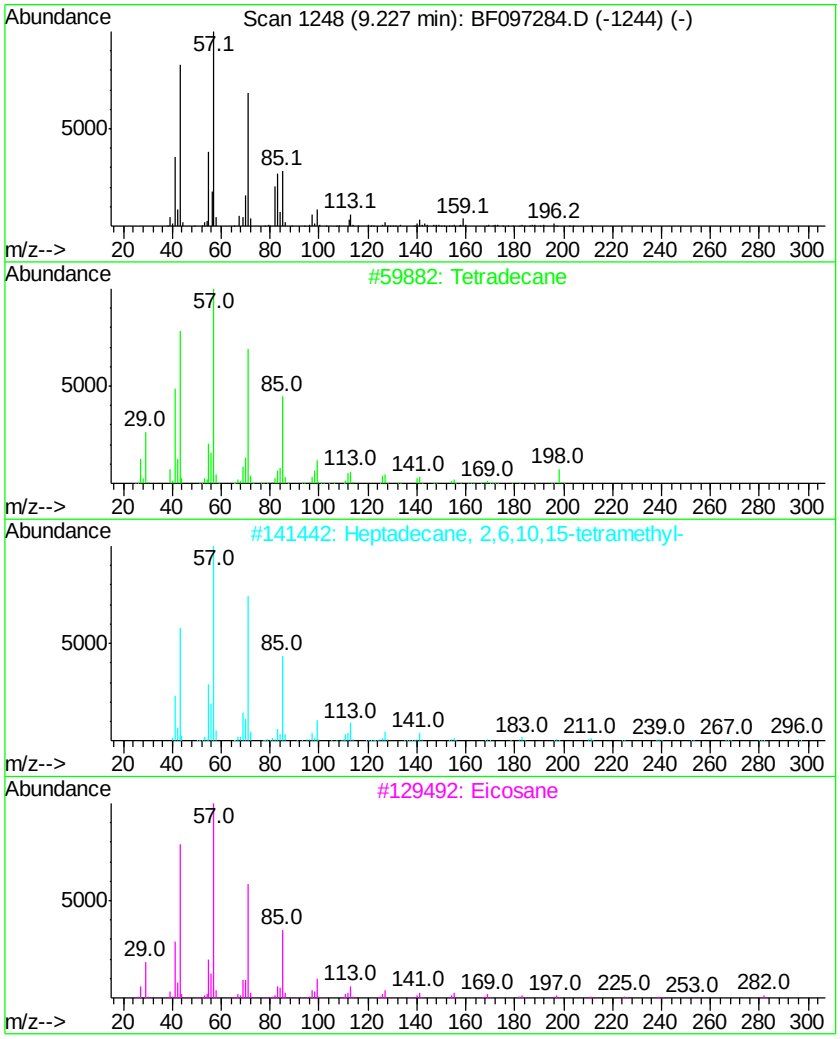
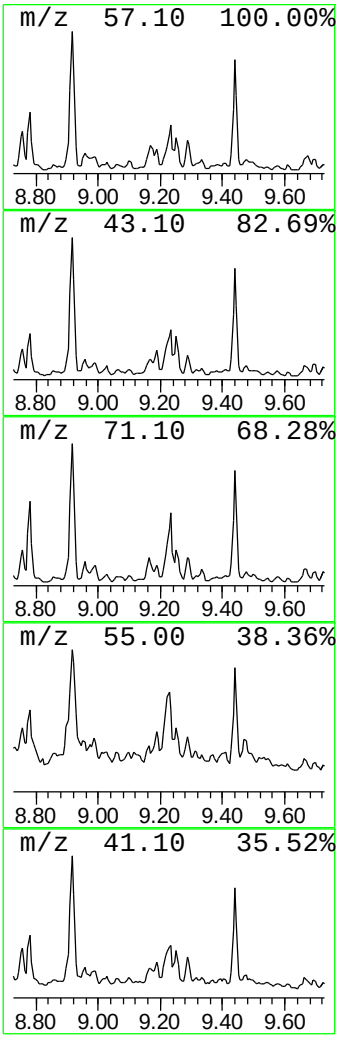
Peak Number 10 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	28.39 ng	1828660	Acenaphthene-d10	9.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Eicosane	282	C20H42	000112-95-8	86
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	86
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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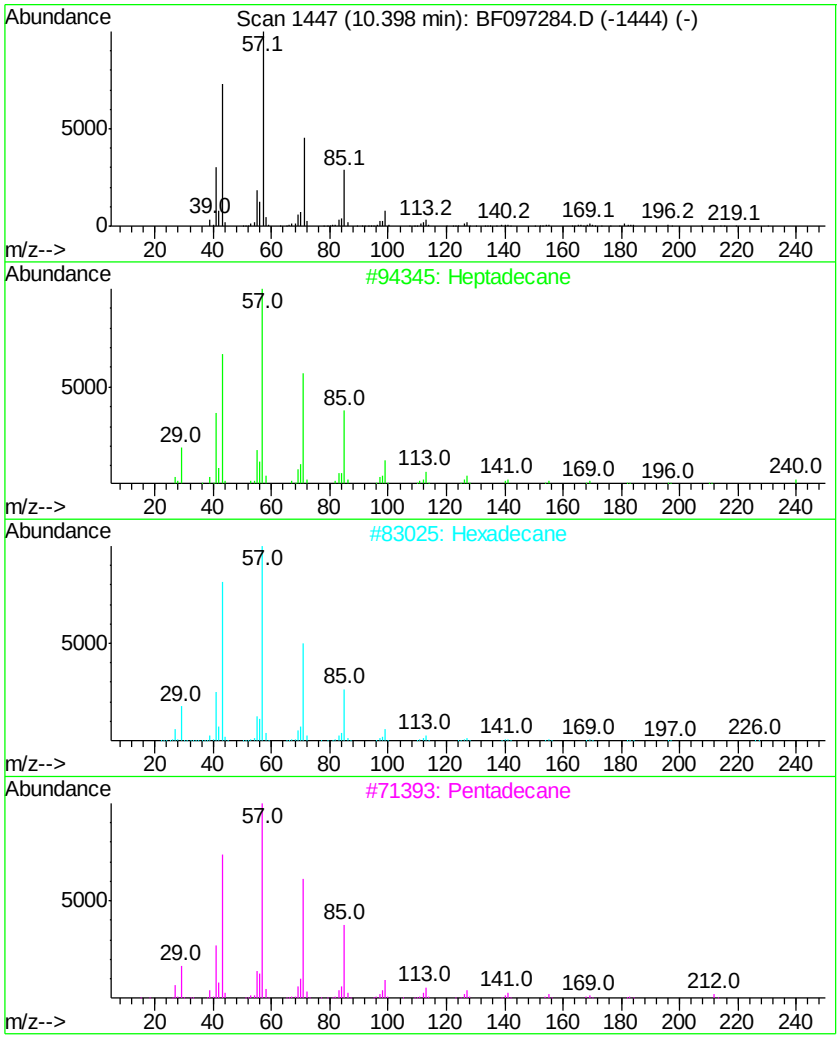
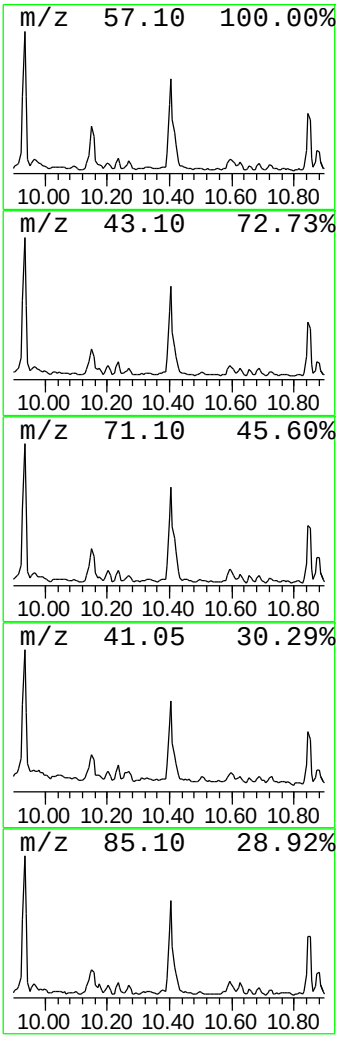
Peak Number 12 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	25.60 ng	968578	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetradecane	198	C14H30	000629-59-4	83
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80





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Instrument : BNA_F
ClientSampleId : HR-05-073117-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

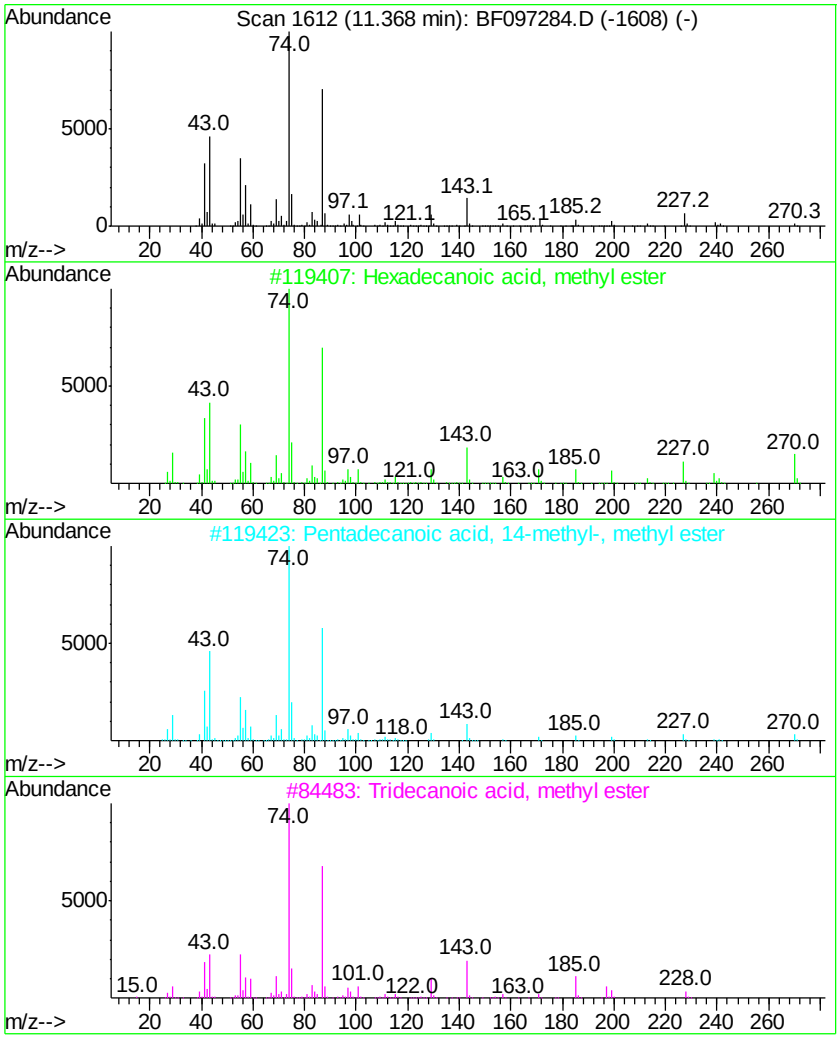
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

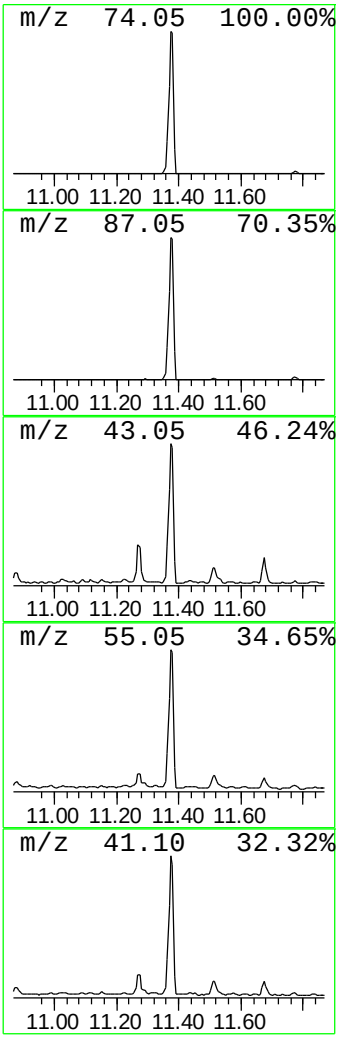
****

Peak Number 13 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	113.42 ng	4291250	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90





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Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

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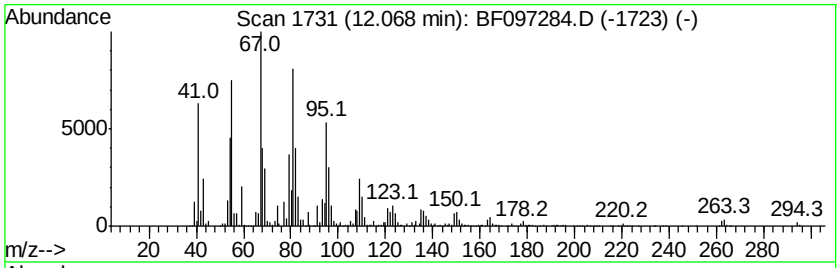
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

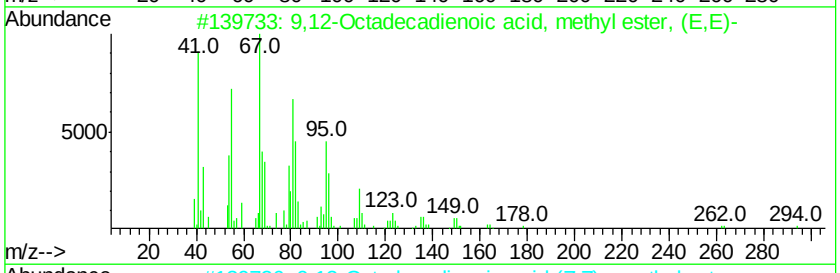
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

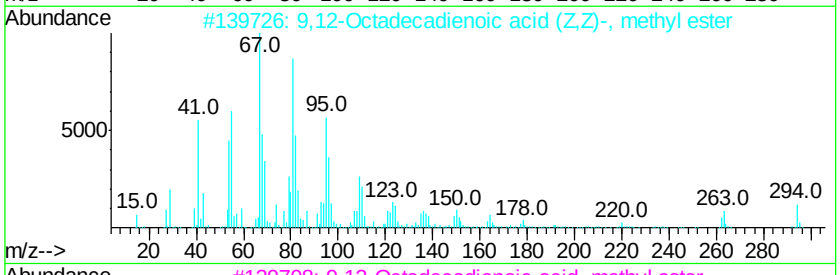
****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

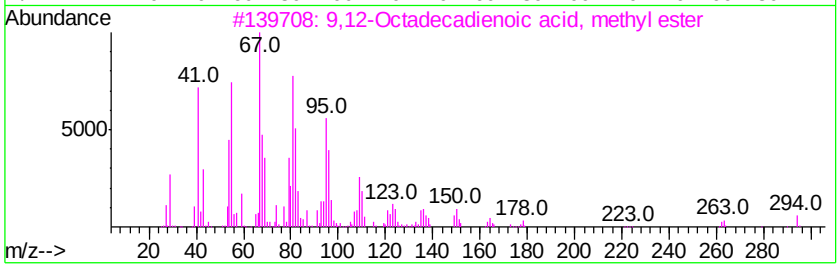
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	270.29 ng	10226100	Phenanthrene-d10	10.95

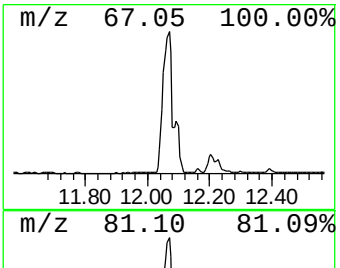
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99

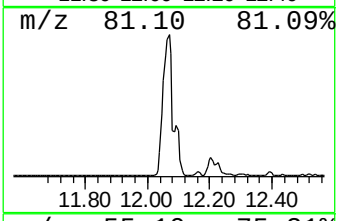


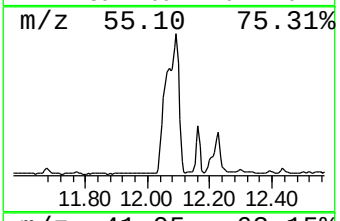


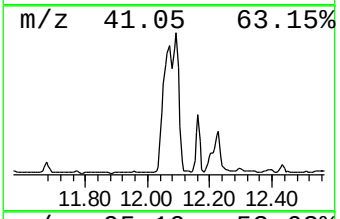


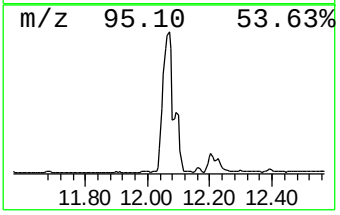












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Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

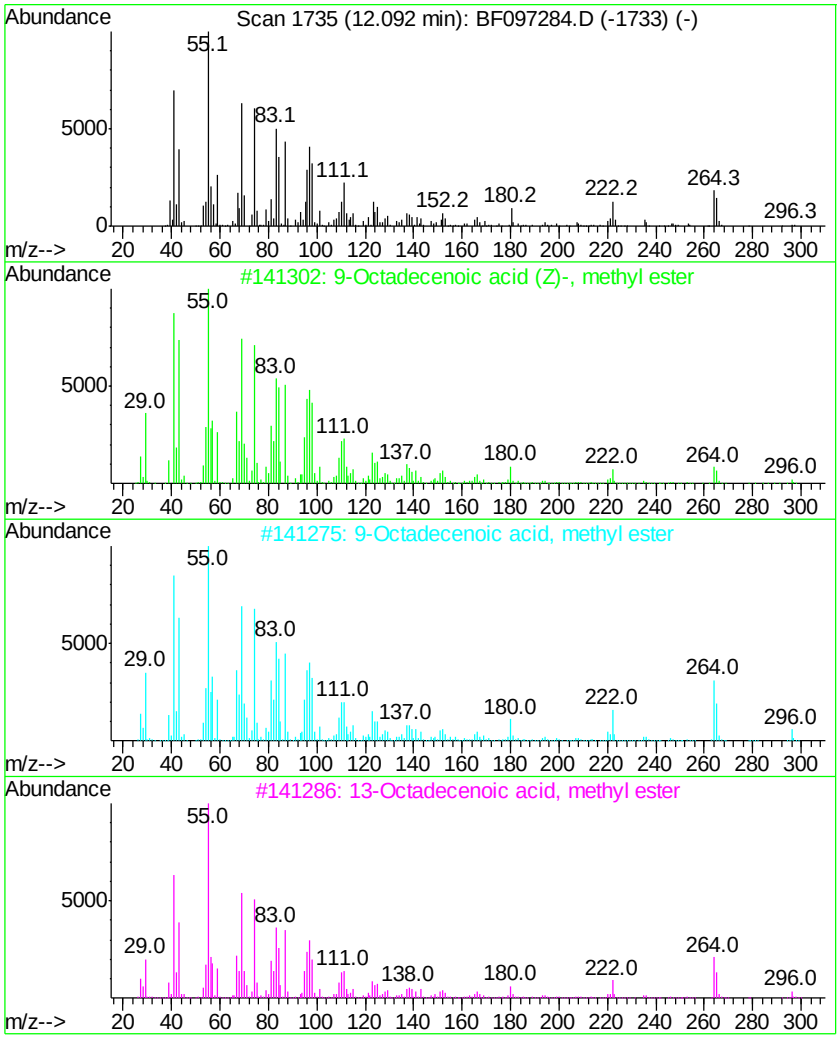
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

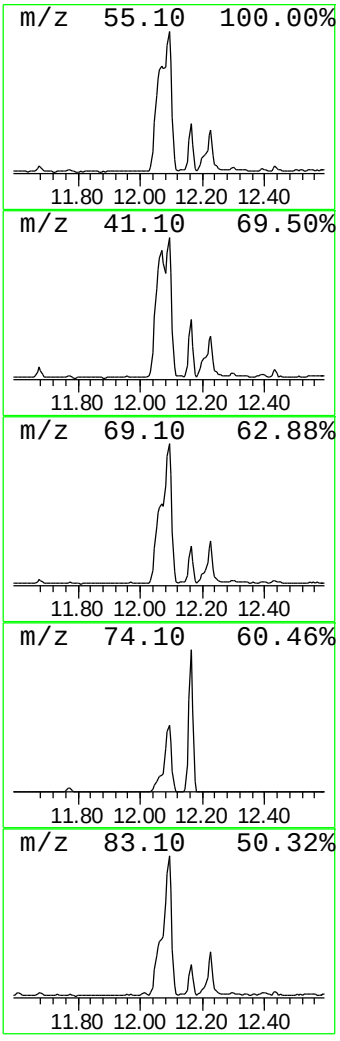
****

Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	150.56 ng	5696150	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	91
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	90
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	90
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	87
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	86





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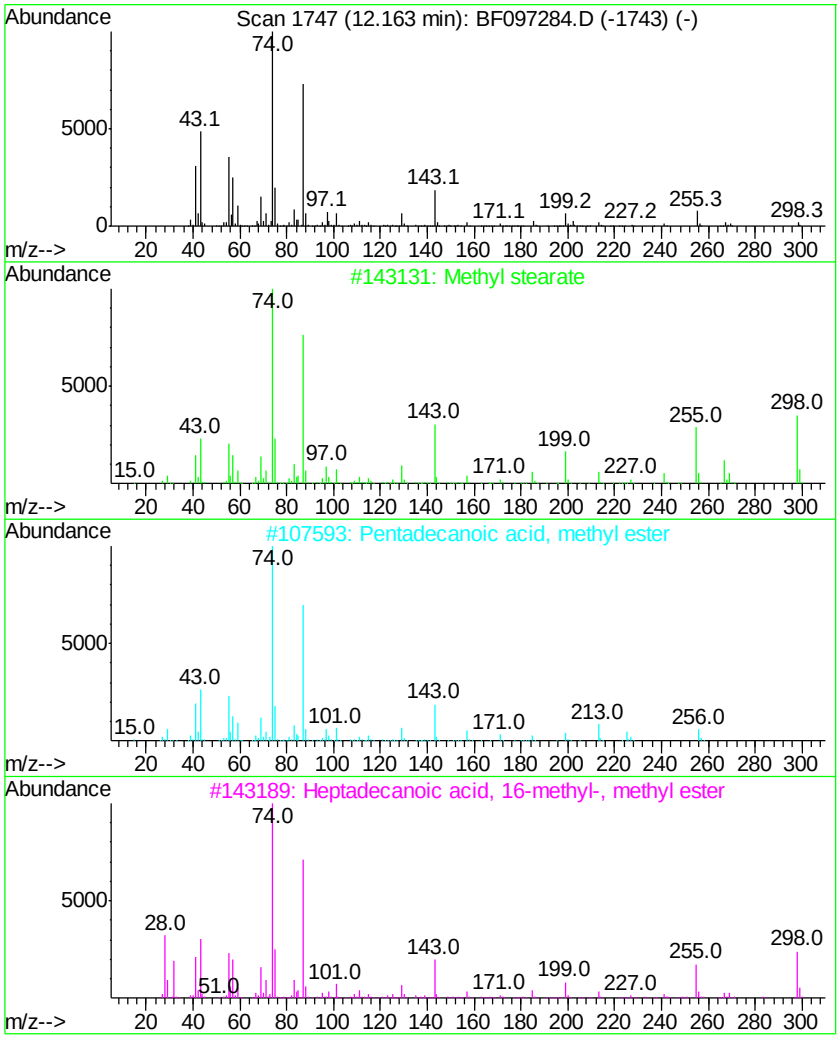
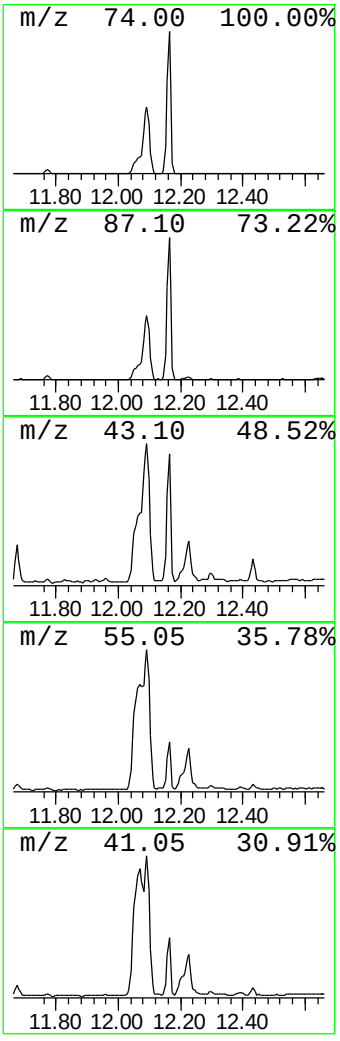
Peak Number 16 Methyl stearate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	54.69 ng	2069260	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	91
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	91
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
5	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	90





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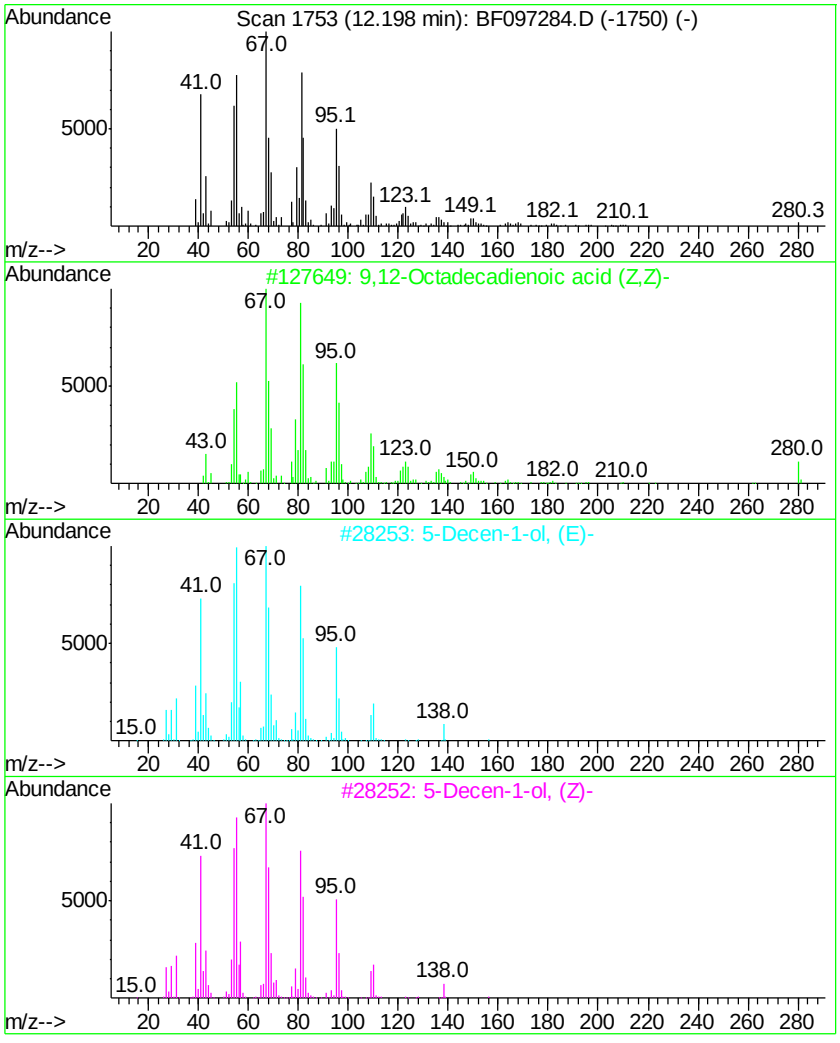
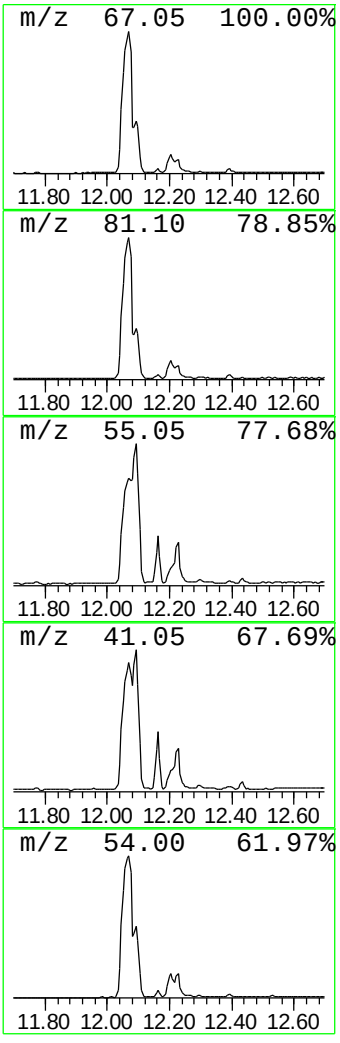
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9,12-Octadecadienoic acid (... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	19.30 ng	730173	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	98
2	5-Decen-1-ol, (E)-	156	C10H20O	056578-18-8	87
3	5-Decen-1-ol, (Z)-	156	C10H20O	051652-47-2	87
4	7-Hexadecyne	222	C16H30	074685-28-2	86
5	1-Tridecyne	180	C13H24	026186-02-7	86





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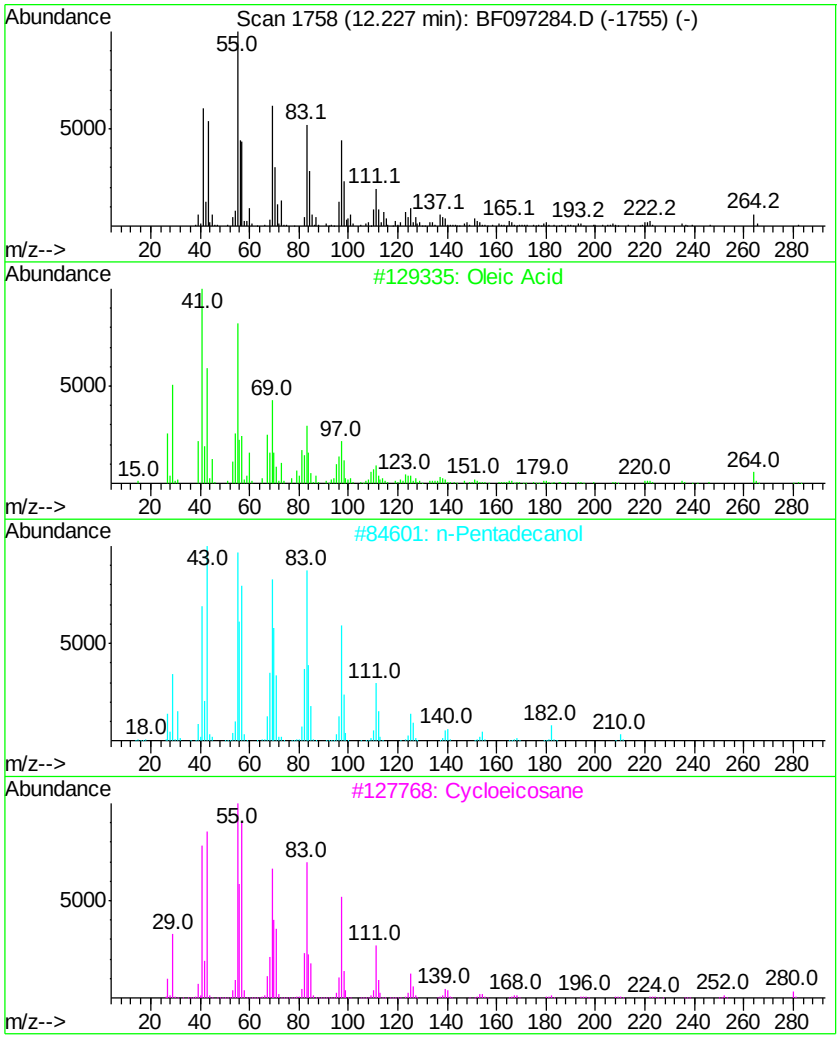
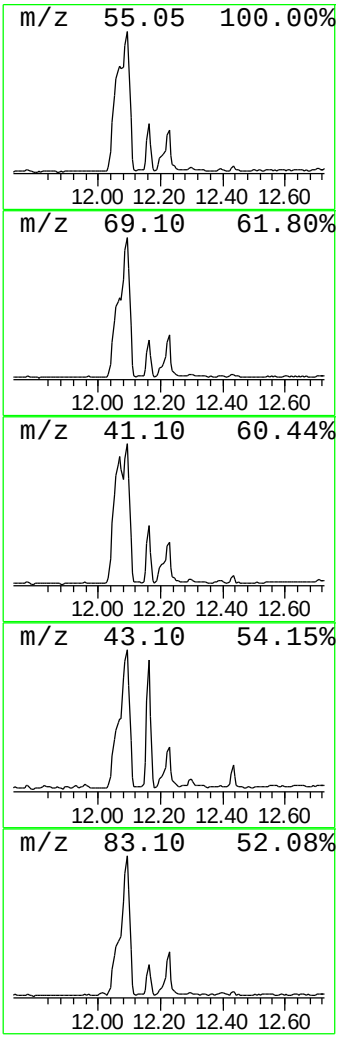
Peak Number 18 Oleic Acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	37.41 ng	1415430	Phenanthrene-d10	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	86
2	n-Pentadecanol	228	C15H32O	000629-76-5	86
3	Cycloeicosane	280	C20H40	000296-56-0	80
4	Cyclohexadecane	224	C16H32	000295-65-8	80
5	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	72





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Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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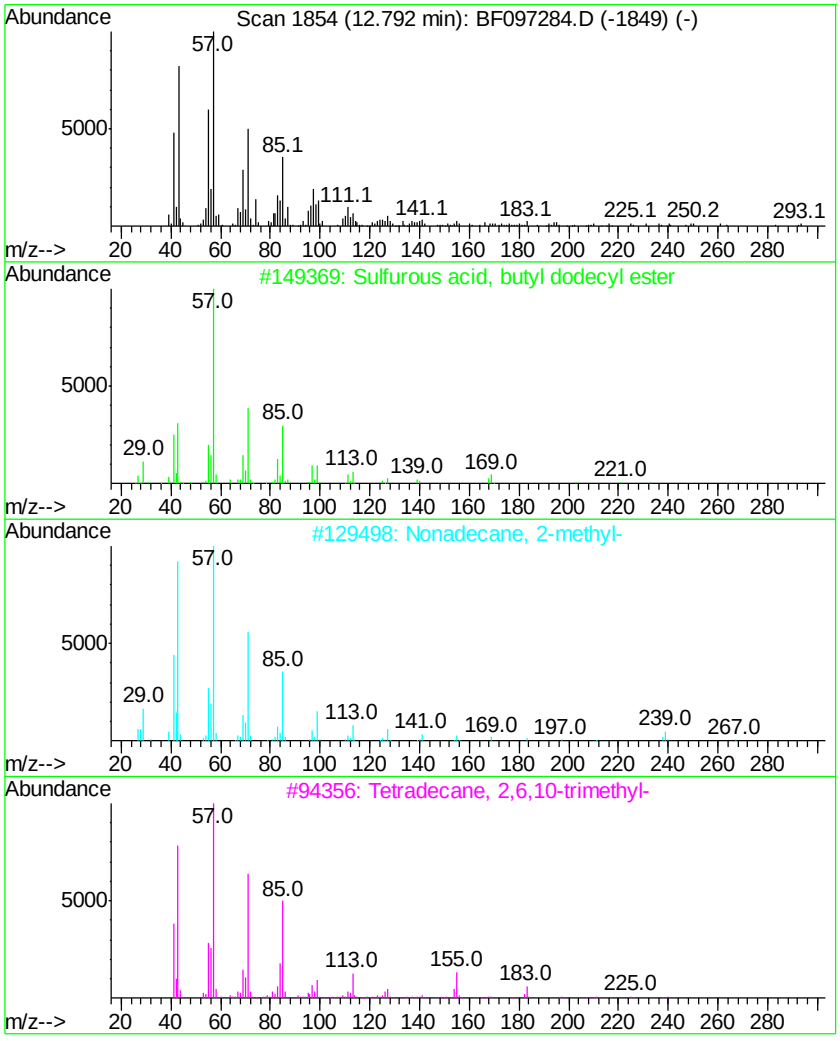
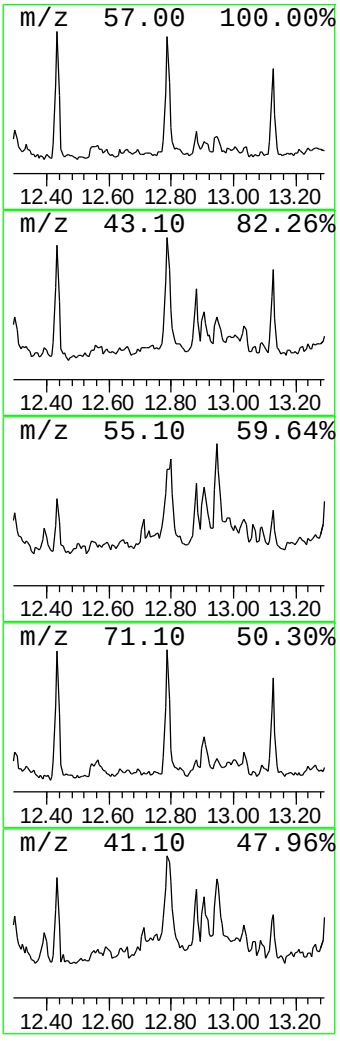
Peak Number 19 Sulfurous acid, butyl dodec... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	18.48 ng	577171	Chrysene-d12	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	87
2	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	87
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5	Hexatriacontane	507	C36H74	000630-06-8	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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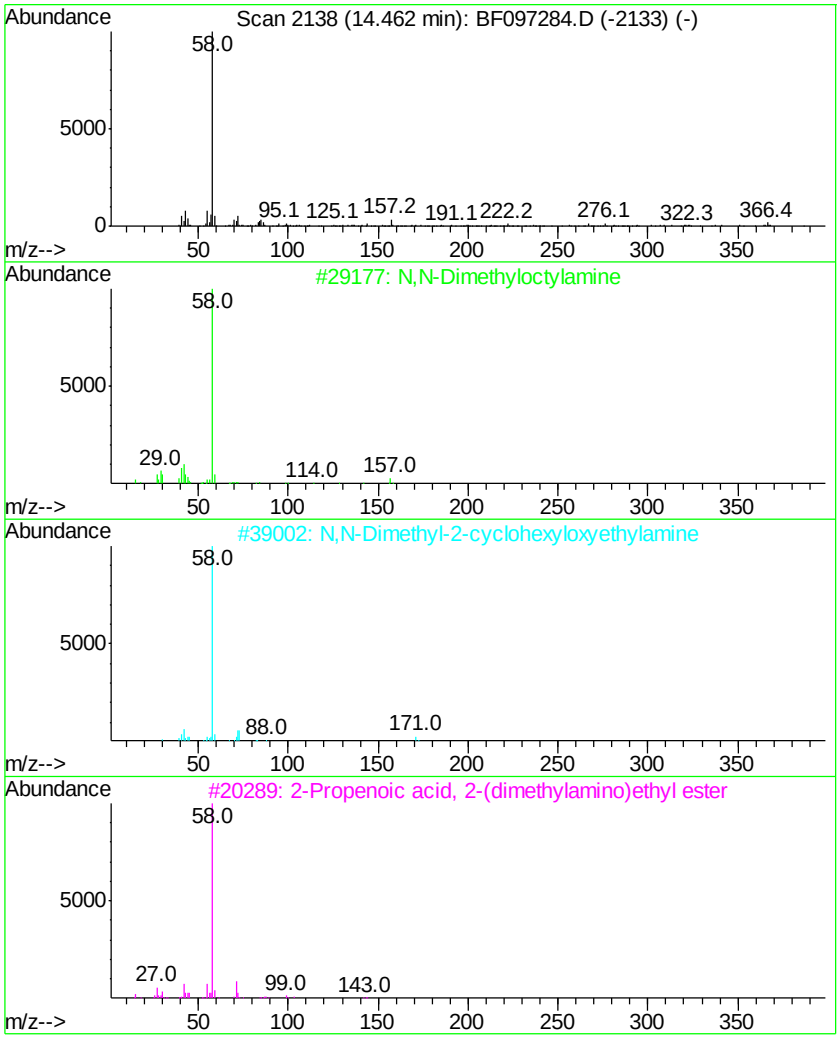
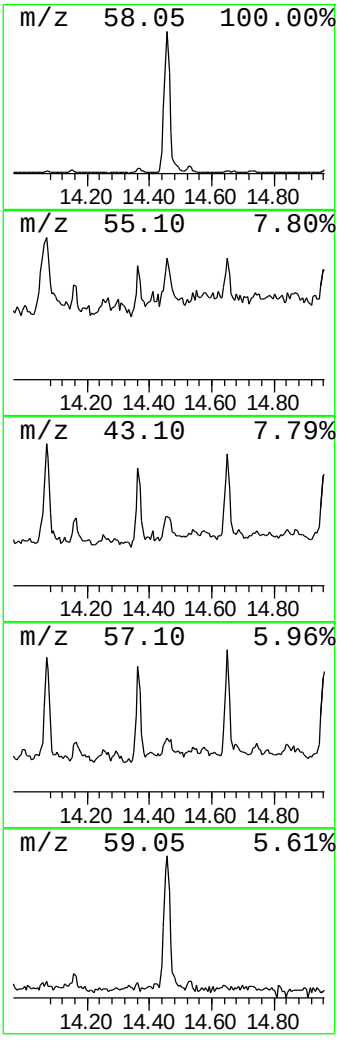
Peak Number 20 N,N-Dimethyloctylamine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	21.89 ng	457208	Perylene-d12	14.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	64
2	N,N-Dimethyl-2-cyclohexyloxyethy...	171	C10H21NO	071126-60-8	64
3	2-Propenoic acid, 2-(dimethylami...	143	C7H13NO2	002439-35-2	64
4	3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	64
5	5,6-Dichloro-2-[[4-[[2-dimethyla...	393	C17H21Cl2N7	042388-82-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080217\
Data File : BF097284.D
Acq On : 2 Aug 2017 20:16
Operator : SJ/JU
Sample : I4543-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-05-073117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decane	6.30	44.5	ng	2533970	1	6.45	1139940	20.0
Tridecane	6.75	16.3	ng	929933	1	6.45	1139940	20.0
Benzene, 1,3-diet...	6.78	18.5	ng	1052110	1	6.45	1139940	20.0
Decane, 2-methyl-	6.82	16.1	ng	920308	1	6.45	1139940	20.0
Dodecane, 3-methyl-	6.86	28.3	ng	1610440	1	6.45	1139940	20.0
Hexadecane	7.08	60.9	ng	3472470	1	6.45	1139940	20.0
Decane, 3,6-dimet...	8.36	17.1	ng	3434670	2	7.73	4011800	20.0
Decane, 6-ethyl-2...	8.92	42.8	ng	2757640	3	9.48	1288140	20.0
Tetradecane	9.23	28.4	ng	1828660	3	9.48	1288140	20.0
Heptadecane	10.40	25.6	ng	968578	4	10.95	756686	20.0
Hexadecanoic acid...	11.37	113.4	ng	4291250	4	10.95	756686	20.0
9,12-Octadecadien...	12.07	270.3	ng	10226100	4	10.95	756686	20.0
9-Octadecenoic ac...	12.09	150.6	ng	5696150	4	10.95	756686	20.0
Methyl stearate	12.16	54.7	ng	2069260	4	10.95	756686	20.0
9,12-Octadecadien...	12.20	19.3	ng	730173	4	10.95	756686	20.0
Oleic Acid	12.23	37.4	ng	1415430	4	10.95	756686	20.0
Sulfurous acid, b...	12.79	18.5	ng	577171	5	13.57	624559	20.0
N,N-Dimethyloctyl...	14.46	21.9	ng	457208	6	14.92	417660	20.0